

# RECON SCOUT UVI

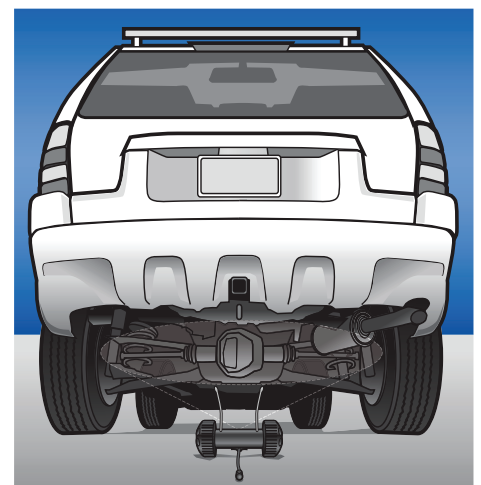
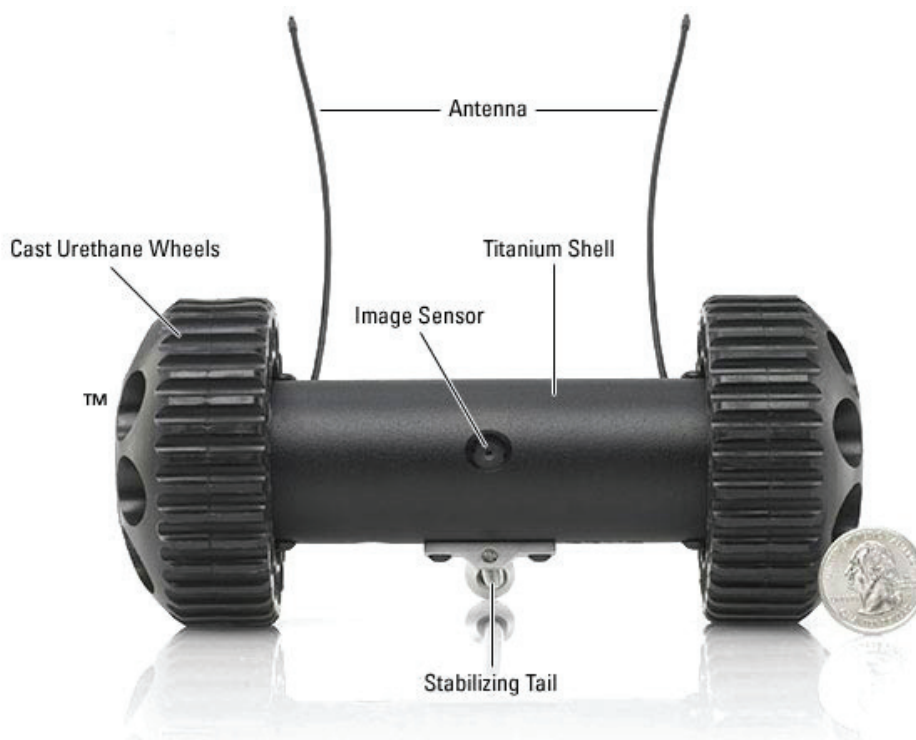
*Know Before You Go®*

**The Recon Scout UVI** gives you the ability to quickly and thoroughly inspect the undercarriages of vehicles for explosives, drugs or other contraband. Equipped with sophisticated optical systems that can operate in extreme low-light environments, the Recon Scout UVI transmits clear, crisp video up to 300

feet to a handheld Operator Control Unit or up to 1,000 feet to a Recon Robotics Command Monitoring Station.

Using the thumb-controlled joystick on the OCU, you can direct the movement of the robot to scan the undercarriages of parked vehicles. The robot's optics are

angled 32 degrees above horizontal, and its 60-degree field of view means that you can inspect the entire undercarriage of most vehicles with just one pass. The robot can also be stationed at vehicle access points to allow security staff to inspect all vehicles entering a secured location.



## Image Sensor

Black and white

Excellent low light sensitivity: 0.0003 lux

Field of view: 60 degrees

Framerate: 30 frames per second

## Mechanical Specifications

Length: 7.375in/187mm

Shell Diameter: 1.5in/38mm

Wheel Diameter: 3in/76mm

Self-Balancer Length: 4in/102mm

Weight: 1.2lb/544g

## Performance

Indoor range: 100 ft/30m

Outdoor range: 300 ft/91m

Speed: 1 fps/0.3mps

Drop shock resistance: 30 ft/9.1m vertical

Throw shock resistance: 120 ft/31.4m horizontal

## Recon Scout XT Field Maintenance Kit

Model Number: FMK-XT

The Recon Scout XT Field Maintenance Kit enables you to quickly replace worn or damaged robot and OCU components without taking the robot out of operation.

The Kit includes the following components and all the tools and instructions for replacing them:

- Two XT wheels
- One XT tail
- Two robot antennas
- Two OCU antennas
- Five optics covers

In addition, the Kit includes a lightweight pouch, one Battery Charge Indicator and one spare Robot Activation Pin.



NSW Security Master Licence 408232489 ACT Security Master Licence 17501563 ISO 9001:2008 Accreditation No. MEL4000269

Head Office 25 Yallourn Street (PO Box 333) Fyshwick ACT 2609 T +61 (0)2 6163 5588 F +61 (0)2 6280 6518

Sydney Office 5/7 Cunningham Street (PO Box 563) Moorebank NSW 2170 T +61 (0)2 8785 7788 F +61 (0)2 9821 3953

Adelaide Office Unit 6, 183 Philip Highway (PO Box 525) Elizabeth South SA 5112 T +61 (0)8 8256 4888 F +61 (0)8 8252 1155

Melbourne Office Office 6, 189-191 Balaclava Road (PO Box 2284) Caulfield North VIC 3161 T +61 (0)3 9526 0011 F +61 (0)3 9526 0099

# RECON SCOUT UVI

*Know Before You Go®*

**The Recon Scout Command Monitoring Station (CMS)** enables your command post to monitor video transmissions from any Recon Scout reconnaissance robot, which can be operating up to 1,000 feet away. You can see precisely what your front line personnel see on their handheld Operator Control Units as they direct the movement of their robots. This real-time video lets you direct tactical and search-and-rescue operations, and provide an integrated response to any situation.

The CMS also allows you to switch from one robot frequency (channel A, B or C) to the next so you can monitor video transmissions from up to three robots. Software included with the CMS also allows you to use a computer running Windows XP™ or Vista™ to record up to two hours of video, and to capture and store still images as required. You can also use a standard RCA cable to display the video feed on any television or monitor. Also included are power cables enabling you to run the CMS from a standard power outlet or a 12VDC source.

**The Command Monitoring Station includes the following components:**

- High-Gain Yagi Antenna
- Tripod and Mount
- 10' and 30' Connecting Cables
- Video Receive Module with USB and RCA Interface
- Software
- Wall Power Cable
- Automotive Power Cable
- User Manual
- USB Cable
- Carrying Case

## Specifications

Range: Up to 1,000 feet<sup>1</sup>

Video Resolution: 640 x 480

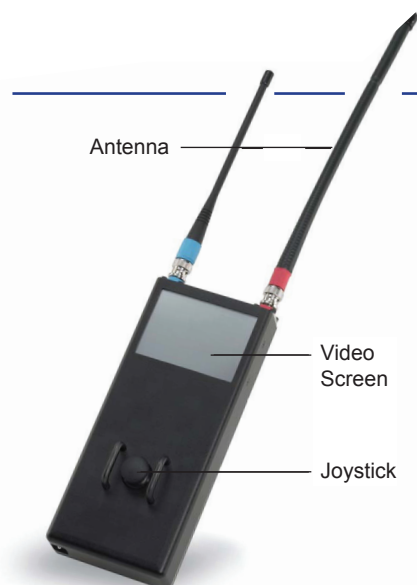
Input Voltage: 120/240V, 50-60Hz or 12VDC

## Minimum (Recommended) System Requirements

Pentium™ 4 Processor, 1 GHz or Faster (2.5 GHz+)

128 MB of RAM (1 GB of RAM+)

Microsoft Windows XP™ with SP 1 or Above



**The Recon Scout Operator Control Unit (OCU)** is a rugged hand-held device used to control the movement of the Recon Scout and to receive live, high-quality video from the Recon Scout as it moves through an environment. The OCU is small and light weight, and can be operated with just one hand.

Total set-up time takes less than 20 seconds: simply attached the two antennas and turn on the OCU. Movement of the Recon Scout is controlled by a simple thumb-operated joystick in the center of the OCU.

## Mechanical Specifications

Height (with antennas): 20.75in/527mm

Width: 3.5in/89mm

Thickness: 1.3in/34mm

Weight: 1.74lbs/790g

## Performance

3.5in/89mm backlit screen

Battery life: 2.25 hrs

## Charger

Input voltage: 120 VAC

Charge time: 1 hour